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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/542,644

02/08/2006

Reinhard Hoffmann

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30596

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HARNESS, DICKEY & PIERCE, P.L.C.

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EXAMINER

LAM, THANH

ART UNIT

PAPER NUMBER

2834

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/542,644	Applicant(s) HOFFMANN ET AL.	
	Examiner THANH LAM	Art Unit 2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 July 2005 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/19/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the “grooves” “layer” “in series” “in parallel” “magnetic levitation railroad” as recited in the claims must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Kuznestsov (US 5483111).

Regarding claim 1, Kuznestsov discloses a long stator motor, comprising: a stator iron (54) in which slots are arranged for holding cable windings (68,70,72 figs.7a-7c,18) with two cables running in one slot (fig. 18) , wherein, in order to increase magnetic flux in the stator iron, at least two cable windings are arranged one above the other, and at least two cables run one above the other in each slot.

Regarding claim 2, Kuznestsov discloses (figs.7a-7c,18) three cable windings are in each ease arranged in one layer as a three-phase winding, and wherein the layers formed in this way are arranged one above the other.

Regarding claim 3, Kuznestsov discloses (figs.7a-7c,18) the cables which run in one slot are connected to the same phase of the three-phase windings.

Regarding claim 4, Kuznestsov discloses (figs.7a-7c,18) wherein the three-phase windings are connected in series (figs, 10a-10b).

Regarding claim 5, Kuznestsov discloses (figs.7a-7c,18) the three- phase windings are connected in parallel.

Regarding claim 6, Kuznestsov discloses (figs.7a-7c,18) two three-phase windings, arranged one above the other are in each case offset through 180° with respect to one another.

Regarding claim 7, Kuznestsov discloses (figs.7a-7c,18) the long stator motor is for driving a magnetic levitation railroad.

Regarding claim 8, Kuznestsov discloses (figs.7a-7c,18) the three-phase windings are connected in series.

Regarding claim 9, Kuznestsov discloses (figs.7a-7c,18) the three-phase windings are connected in parallel.

Regarding claim 10, Kuznestsov discloses (figs.7a-7c,18) two three-phase windings, arranged one above the other, are in each case offset through 180° with respect to one another.

Regarding claim 11, Kuznestsov discloses (figs.7a-7c,18) two three-phase windings, arranged one above the other, are in each case offset through 180° with respect to one another.

Regarding claim 12, Kuznestsov discloses (figs.7a-7c,18) two three-phase windings, arranged one above the other, are in each case offset through 180° with respect to one another.

Regarding claim 13, Kuznestsov discloses (same as citation of claim 1 above, figs.7a-7c,18) a long stator motor, comprising: a stator iron, including grooves for accommodating cable windings, at least two cable windings being arranged one above

the other by running at least two cables run inside each groove to thereby increase magnetic flux in the stator iron.

Regarding claim 14, Kuznestsov discloses (figs.7a-7c,18) three cable windings are arranged in one layer as a three-phase winding, and wherein the layers formed in this way are arranged one above the other.

Regarding claim 15, Kuznestsov discloses (figs.7a-7c,18) the cables which run in one slot are connected to the same phase of the three-phase windings.

Regarding claim 16, Kuznestsov discloses (figs.7a-7c,18) the three-phase windings are connected in series.

Regarding claim 17, Kuznestsov discloses (figs.7a-7c,18) the three-phase windings are connected in parallel.

Regarding claim 18, Kuznestsov discloses (figs.7a-7c,18) two three-phase windings, arranged one above the other, are in each case offset through 180° with respect to one another.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. see PTO-892 form.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THANH LAM whose telephone number is (571)272-2026. The examiner can normally be reached on tu-th 8-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren E. Schuberg can be reached on (571) 272-2044. The fax phone

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thanh Lam/
Primary Examiner
Art Unit 2834